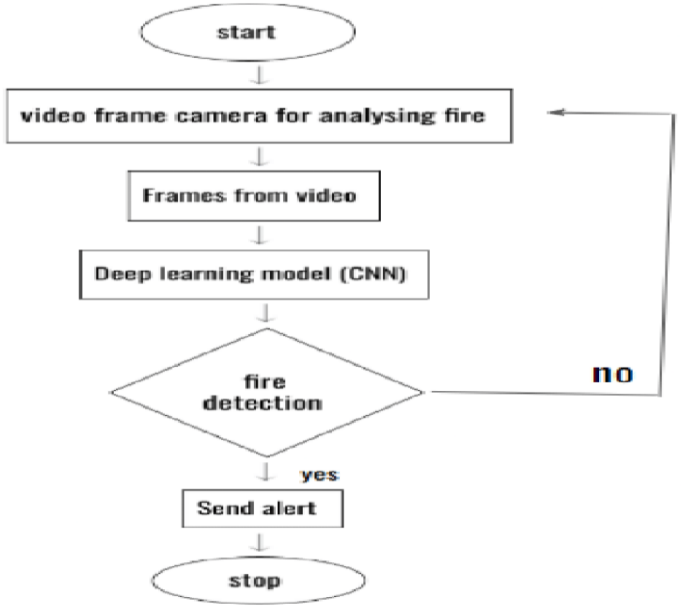
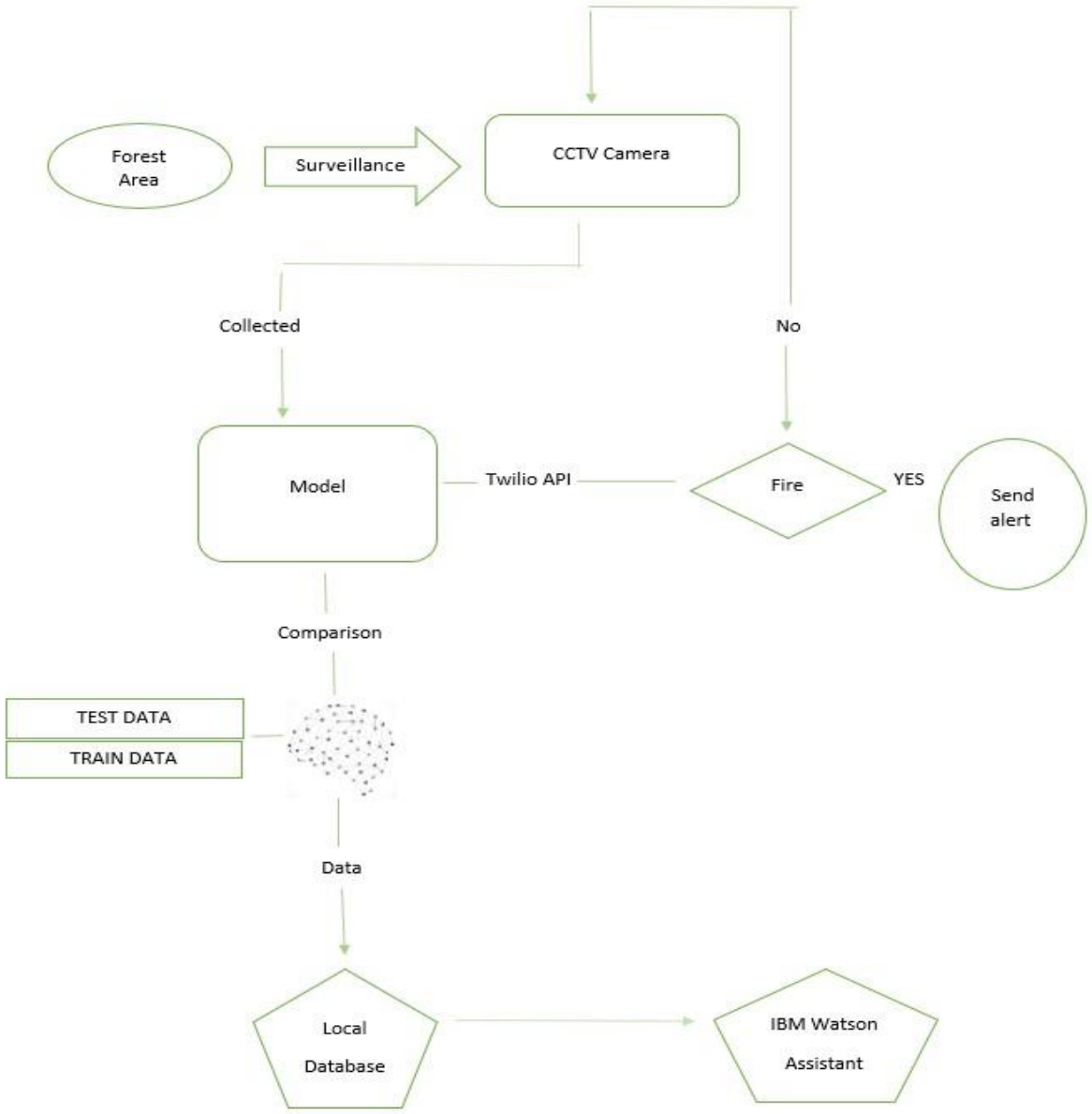
Project Design Phase-II Data Flow Diagram & User Stories

Date	19 October 2022
Team ID	PNT2022TMID06212
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	4 Marks

Data Flow Diagram:




Forest Area
Surveillance
CCTV Camera
Collected
No
Model
Twilio API
Fire
YES
Send alert
Comparison
TEST DATA
TRAIN DATA
Data
Local Database
IBM Watson Assistant

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
civilian	capturing Images	USN-1	Forest is proctored around the clock and checked for fire.	Can capture image of forest	Medium	Sprint - 1
			The images are then converted to frameset and sent	images is converted into framesets	High	Sprint - 1
			The frameset is then compared with the model.	frameset is in pixels	Medium	Sprint - 2
	Deep Learning		Model is trained with all different images of fire and is trained with enough data	Model should be well trained with fire images	HIgh	Sprint - 1
			The compared image is checked with intensity of smoke and is warned accordingly	Intensity is denoted in YBR	High	Sprint - 2
	Alert	USN-1	If the intensity of fire is high, then alert is given using alarm	alarm is used	High	Sprint - 2
		USN-2	If the intensity is too high, alert is sent with the help of twilio API	The API sends alert	High	Sprint - 1
Admin	Manage Database		Admin manages and maintains the Database	IBM watson assistance is used	Low	Sprint - 2